

Title (en)  
Heat exchange system

Title (de)  
Wärmetauschanlage

Title (fr)  
Système d'échange de chaleur

Publication  
**EP 1914487 A1 20080423 (EN)**

Application  
**EP 06021963 A 20061019**

Priority  
EP 06021963 A 20061019

Abstract (en)  
A heat exchange system providing a heat medium in a loop circuit circulating heat exchanger to transfer heat, which mainly uses a water as base material, and the liquid state heat medium is formed by mixing the water with an improving agent or heat carrying particles. The heat medium is filled in a loop circuit heat exchange circulating path having an internal pressure space, and the internal pressure space is used to raise the boiling point and reduce freezing point phase transition temperatures of the water to comply with implementation needs. Hence, the present invention is able to achieve satisfactory strength of heat transfer and unequivocally resolve environmental issues.

IPC 8 full level  
**C09K 5/10** (2006.01); **F24H 3/00** (2006.01)

CPC (source: EP)  
**C09K 5/10** (2013.01); **F24H 3/004** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

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